M 33-3(86)-1

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

JANUARY 1986

M33-3(86)-1
Issued March 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this publication are based on a sample of manufacturers and represent total receipts, consumption, and inventories of steel mill shapes and forms. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 3.

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Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
January	26,295	3,700	3,600	6,700	5,995	13,600	7,500	6,100
1985								
Total[4]	(X)	45,900	45,300	(X)	(X)	(X)	(X)	(X)
December	25,589	3,200	3,100	6,600	5,789	13,200	7,300	5,900
November	25,326	3,600	3,600	6,500	5,626	13,200	7,100	6,100
October	25,253	4,200	4,200	6,500	5,653	13,100	7,200	5,900
September	25,597	4,300	4,400	6,500	5,797	13,300	7,300	6,000
August	26,070	3,700	3,800	6,600	5,970	13,500	7,300	6,200
July	26,360	3,900	3,700	6,700	6,060	13,600	7,500	6,100
June	26,066	3,700	3,800	6,500	5,966	13,600	7,400	6,200
May	26,176	4,200	4,000	6,600	5,976	13,600	7,600	6,000
April	26,055	4,100	4,100	6,400	5,955	13,700	7,700	6,000
March	25,984	3,800	3,800	6,400	5,884	13,700	7,700	6,000
February	25,501	3,700	3,400	6,400	5,901	13,200	7,500	5,700
January	25,484	3,500	3,400	6,100	5,884	13,500	7,500	6,000

(X) Not applicable.

[1]Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2]Represents tonnage put into production during month.
[3]Source: Steel Service Center Institute.
[4]Total inventory figures are those shown for December.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Carol Beasley, (301) 763-5434.
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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
January	6,437	80	1	1,655	8,012	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[1] Source: American Iron and Steel Institute.

[2] Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

606.6710-6940
606.7900-9900
607.0500-9900
608.0100-6720
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642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4] Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

DESCRIPTION OF SURVEY

Scope of Surveys. The surveys covers producers and manufacturer consumers of steel mill products, and steel service centers. Important nonmanufacturing activities, such as construction and mining, are not included.

Survey Methodology. Data for consumers (manufacturing only) were collected by mail on Bureau of the Census monthly Form M33H, Receipts, Use, and Inventory of Steel Mill Shapes and Forms (Consumers Reports). There are approximately 200 companies in the panel which accounted for approximately 58 percent of the total quantity of steel consumed in the 1958 Census of Manufactures. Estimates have been derived to represent 100 percent coverage of steel consumers. Since 1979, estimates for manufacturers' (consumers) receipts, consumption, and inventories have been benchmarked to the 1963, 1967, 1972, 1977, and 1982 Censuses of Manufactures.

Data for producers are based on information collected by mail on Bureau of the Census monthly Form M33J, Net Shipments and Inventories of Steel Mill Shapes and Forms (Producers Report), from companies which produce over 50 percent of total steel output. Estimates have been derived to represent 100 percent coverage of steel producers. These estimates are benchmarked annually to Current Industrial Reports Series MA33B, *Steel Mill Products,* the last being 1984.

Estimates for steel service centers (warehouses) inventories are based on the Steel Service Center Institute (SSCI) monthly Business Conditions Report. Data in that report are derived from a current monthly sample of steel service centers which account for approximately 30 percent of the total inventory of steel mill products held by steel service centers. The sample is tested by SSCI each year against an independent steel consumption data base. Data in this publication represent the SSCI data inflated based on this coverage factor to provide estimates of the total inventories of steel mill products held by steel service centers.

Survey Error. Figures for the current month include estimates for the larger companies for which reports were not received in time for tabulation. These figures are "imputed" based on the month-to-month movements shown by reporting companies. Imputation for larger companies generally is limited to a maximum of 50 percent for consumers' receipts, consumption, and inventories and to 25 percent for producers' receipts, consumption, and inventories. Figures with large company imputation exceeding these levels are footnoted.

The large company imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with large company imputation rates above 50 percent for consumers' receipts, consumption, and inventories, and 25 percent for producers' receipts, consumption, and inventories, should be used with caution.

Revisions to Previous Period Data. Statistics for previous months may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

EXPLANATION OF TERMS

Steel Mill Shapes and Forms. Steel mill shapes and forms include ingot, semifinished shapes such as billets and wire rods, bar and bar shapes, sheet, strip plate, tinplate, terneplate, blackplate, wire, structural shapes, piling, etc.

Rough and machined castings and forgings, powder, and all fabricated steel products or components, such as purchased stampings, are excluded.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- *Domestic Output.* Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.

- *Exports.* Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

  Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

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- *Imports.* Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Export and Import Transactions. Detailed commodity information is not included for indiviual export shipments valued at not more than $1,000. Generally, detailed commodity information is not included for individual import shipments valued at not more than $1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than $250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).

RELATED REPORTS

An annual Current Industrial Report also is published in this series. The annual report summarizes monthly figures and incorporates known revisions for both the current and previous years. It also provides a single reference copy to replace the monthly publications.

The Bureau of the Census publishes the following related reports:

Series	Frequency	Title
Current Industrial Reports		
M33A	Monthly	*Iron and Steel Castings*
MA33B	Annually	*Steel Mill Products*
Other Industry Reports		
M3-1	Monthly	*Manufacturers' Shipments, Inventories, and Orders*
(AS)	Annually	*Annual Survey of Manufactures (ASM)*
(MC)	Quinquennially	*Census of Manufactures*
Foreign Trade Reports:		
EX 546	Monthly	*U.S. Exports*
IM 145-X	Monthly	*U.S. Imports for Consumption and General Imports*

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone Number
Current Industrial Report M33-3	Carol Beasley	(301) 763-5434
Manufacturers' Shipments, Inventories, and Orders	Ruth Runyan	(301) 763-2502
Census/ASM	Dale Gordon	(301) 763-7304
To order a Census Bureau publication	Customer Services (DUSD)	(301) 763-4100
Foreign Trade publication	Joyce Ware	(301) 763-5140
International Trade Administration	Ralph Thompson	(202) 377-0608

M 33-3(86)-2

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

FEBRUARY 1986

M33-3(86)-2
Issued April 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

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Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
February	26,405	3,600	3,500	6,800	6,005	13,600	7,300	6,300
January	26,095	3,700	3,600	6,700	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	45,900	45,300	(X)	(X)	(X)	(X)	(X)
December	25,589	3,200	3,100	6,600	5,789	13,200	7,300	5,900
November	25,326	3,600	3,600	6,500	5,626	13,200	7,100	6,100
October	25,253	4,200	4,200	6,500	5,653	13,100	7,200	5,900
September	25,597	4,300	4,400	6,500	5,797	13,300	7,300	6,000
August	26,070	3,700	3,800	6,600	5,970	13,500	7,300	6,200
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June	26,066	3,700	3,800	6,500	5,966	13,600	7,400	6,200
May	26,176	4,200	4,000	6,600	5,976	13,600	7,600	6,000
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February	25,501	3,700	3,400	6,400	5,901	13,200	7,500	5,700
January	25,484	3,500	3,400	6,100	5,884	13,500	7,500	6,000

(X) Not applicable.

[1] Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2] Represents tonnage put into production during month.
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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
February	5,799	r85	1	2,073	7,787	27
January	6,437	r98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
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642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

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Inventories of Steel Mill Shapes

MARCH 1986

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(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
March	26,240	3,700	3,700	6,800	5,940	13,500	7,500	6,000
February	26,305	3,600	3,500	6,800	6,005	13,500	7,300	6,200
January	26,095	3,700	3,600	6,700	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	45,900	45,300	(X)	(X)	(X)	(X)	(X)
December	25,589	3,200	3,100	6,600	5,789	13,200	7,300	5,900
November	25,326	3,600	3,600	6,500	5,626	13,200	7,100	6,100
October	25,253	4,200	4,200	6,500	5,653	13,100	7,200	5,900
September	25,597	4,300	4,400	6,500	5,797	13,300	7,300	6,000
August	26,070	3,700	3,800	6,600	5,970	13,500	7,300	6,200
July	26,360	3,900	3,700	6,700	6,060	13,600	7,500	6,100
June	26,066	3,700	3,800	6,500	5,966	13,600	7,400	6,200
May	26,176	4,200	4,000	6,600	5,976	13,600	7,600	6,000
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(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
March	6,142	87	1	1,992	8,047	25
February	5,799	r85	1	2,073	7,787	27
January	6,437	r98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
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CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

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APRIL 1986
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		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
April	23,889	4,300	4,200	r4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	r4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	r4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	r4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	r53,600	r57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	r3,700	r5,600	r4,100	5,789	13,600	7,400	r6,200
November	23,026	r4,100	r4,400	r4,000	5,626	13,400	7,100	6,300
October	23,253	r4,800	r4,800	r4,300	5,653	13,300	7,200	6,100
September	23,697	r4,900	r5,100	r4,300	5,797	13,600	7,400	6,200
August	24,170	r4,300	r4,500	r4,500	5,970	13,700	7,400	6,300
July	24,660	r4,500	r4,300	r4,700	6,060	13,900	7,500	r6,400
June	24,166	r4,300	r4,500	r4,500	5,966	13,700	7,400	r6,300
May	24,576	r4,900	r5,200	r4,700	5,976	13,900	7,600	r6,300
April	24,955	r4,800	r4,900	r5,000	5,955	14,000	7,800	6,200
March	24,884	r4,500	r4,500	r5,100	5,884	13,900	7,800	6,100
February	24,501	r4,500	r4,900	r5,100	5,901	13,500	7,600	5,900
January	24,784	r4,300	r4,800	r5,500	5,884	13,400	7,300	6,100

rRevised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2]Represents tonnage put into production during month.
[3]Source: Steel Service Center Institute.
[4]Total inventory figures are those shown for December.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Carol Beasley, (301) 763-5434.
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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	r98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[r] Revised by 5 percent or more from previously published figures.

[1] Source: American Iron and Steel Institute.

[2] Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

606.6710-6940
606.7900-9900
607.0500-9900
608.0100-6720
609.1710-9800
610.2010-610.5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4] Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M 33-3(86)-5

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

MAY 1986

M33-3(86)-5
Issued July 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this publication are based on a sample of manufacturers and represent total receipts, consumption, and inventories of steel mill shapes and forms. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M33-3(86)-1, issued March 1986.

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DEPOSITORY 325

Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
May	24,199	r4,000	r3,900	4,500	5,999	13,700	7,500	6,200
April	23,889	r4,000	r3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	r4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	r4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	r4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	r53,600	r57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	r3,700	r5,600	r4,100	5,789	13,600	7,400	r6,200
November	23,026	r4,100	r4,400	r4,000	5,626	13,400	7,100	6,300
October	23,253	r4,800	r4,800	r4,300	5,653	13,300	7,200	6,100
September	23,697	r4,900	r5,100	r4,300	5,797	13,600	7,400	6,200
August	24,170	r4,300	r4,500	r4,500	5,970	13,700	7,400	6,300
July	24,660	r4,500	r4,300	r4,700	6,060	13,900	7,500	r6,400
June	24,166	r4,300	r4,500	r4,500	5,966	13,700	7,400	6,300
May	24,576	r4,900	r5,200	r4,700	5,976	13,900	7,600	r6,300
April	24,955	r4,800	r4,900	r5,000	5,955	14,000	7,800	6,200
March	24,884	r4,500	r4,500	r5,100	5,884	13,900	7,800	6,100
February	24,501	r4,500	r4,900	r5,100	5,901	13,500	7,600	5,900
January	24,784	r4,300	r4,800	r5,500	5,884	13,400	7,300	6,100

rRevised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2]Represents tonnage put into production during month.
[3]Source: Steel Service Center Institute.
[4]Total inventory figures are those shown for December.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	r98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[r]Revised by 5 percent or more from previously published figures.

[1]Source: American Iron and Steel Institute.

[2]Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule E export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3]Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

606.6710-6940
606.7900-9900
607.0500-9900
608.0100-6720
609.1710-9800
610.2010-610.5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M33-3(86)-6

Inventories of Steel Mill Shapes

JUNE 1986

M33-3(86)-6
Issued August 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this publication are based on a sample of manufacturers and represent total receipts, consumption, and inventories of steel mill shapes and forms. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M33-3(86)-1, issued March 1986.

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Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
June	23,819	3,900	3,800	4,500	6,019	13,300	7,200	6,100
May	24,099	r4,000	r4,000	4,400	5,999	13,700	7,500	6,200
April	23,889	r4,000	r3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	r4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	r4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	r4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	53,600	57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	3,700	5,600	4,100	5,789	13,600	7,400	6,200
November	23,026	4,100	4,400	4,000	5,626	13,400	7,100	6,300
October	23,253	4,800	4,800	4,300	5,653	13,300	7,200	6,100
September	23,697	4,900	5,100	4,300	5,797	13,600	7,400	6,200
August	24,170	4,300	4,500	4,500	5,970	13,700	7,400	6,300
July	24,660	4,500	4,300	4,700	6,060	13,900	7,500	6,400
June	24,166	4,300	4,500	4,500	5,966	13,700	7,400	6,300
May	24,576	4,900	5,200	4,700	5,976	13,900	7,600	6,300
April	24,955	4,800	4,900	5,000	5,955	14,000	7,800	6,200
March	24,884	4,500	4,500	5,100	5,884	13,900	7,800	6,100
February	24,501	4,500	4,900	5,100	5,901	13,500	7,600	5,900
January	24,784	4,300	4,800	5,500	5,884	13,400	7,300	6,100

rRevised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2]Represents tonnage put into production during month.
[3]Source: Steel Service Center Institute.
[4]Total inventory figures are those shown for December.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	r85	1	2,073	7,787	27
January	6,437	r98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

rRevised by 5 percent or more from previously published figures.

[1]Source: American Iron and Steel Institute.

[2]Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3]Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

606.6710-6940
606.7900-9900
607.0500-9900
608.0100-6720
609.1710-9800
610.2010-610.5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M 33-3(86-7

CURRENT INDUSTRIAL REPORTS

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Inventories of Steel Mill Shapes

JULY 1986

M33-3(86)-7
Issued September 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this publication are based on a sample of manufacturers and represent total receipts, consumption, and inventories of steel mill shapes and forms. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M33-3(86)-1, issued March 1986.

Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
July	23,799	3,700	3,700	4,500	6,099	13,200	7,100	6,100
June	23,819	3,900	3,800	4,500	6,019	13,300	7,200	6,100
May	24,099	4,000	4,000	4,400	5,999	13,700	7,500	6,200
April	23,889	4,000	3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	53,600	57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	3,700	5,600	4,100	5,789	13,600	7,400	6,200
November	23,026	4,100	4,400	4,000	5,626	13,400	7,100	6,300
October	23,253	4,800	4,800	4,300	5,653	13,300	7,200	6,100
September	23,697	4,900	5,100	4,300	5,797	13,600	7,400	6,200
August	24,170	4,300	4,500	4,500	5,970	13,700	7,400	6,300
July	24,660	4,500	4,300	4,700	6,060	13,900	7,500	6,400
June	24,166	4,300	4,500	4,500	5,966	13,700	7,400	6,300
May	24,576	4,900	5,200	4,700	5,976	13,900	7,600	6,300
April	24,955	4,800	4,900	5,000	5,955	14,000	7,800	6,200
March	24,884	4,500	4,500	5,100	5,884	13,900	7,800	6,100
February	24,501	4,500	4,900	5,100	5,901	13,500	7,600	5,900
January	24,784	4,300	4,800	5,500	5,884	13,400	7,300	6,100

(X) Not applicable.

[1] Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2] Represents tonnage put into production during month.
[3] Source: Steel Service Center Institute.
[4] Total inventory figures are those shown for December.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
July	5,815	77	1	2,087	7,825	27
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,742	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[1]Source: American Iron and Steel Institute.
[2]Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3]Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

606.6710-6940
606.7900-9900
607.0500-9900
608.0100-6720
609.1710-9800
610.2010-610.5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M33-3(86)-8

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

AUGUST 1986

M33-3(86)-8
Issued October 1986

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Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
August	23,746	3,400	3,500	4,400	6,046	13,300	7,200	6,100
July	23,799	3,700	3,600	4,500	6,099	13,200	7,100	6,100
June	23,819	3,900	3,800	4,500	6,019	13,300	7,200	6,100
May	24,099	4,000	4,000	4,400	5,999	13,700	7,500	6,200
April	23,889	4,000	3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	53,600	57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	3,700	5,600	4,100	5,789	13,600	7,400	6,200
November	23,026	4,100	4,400	4,000	5,626	13,400	7,100	6,300
October	23,253	4,800	4,800	4,300	5,653	13,300	7,200	6,100
September	23,697	4,900	5,100	4,300	5,797	13,600	7,400	6,200
August	24,170	4,300	4,500	4,500	5,970	13,700	7,400	6,300
July	24,660	4,500	4,300	4,700	6,060	13,900	7,500	6,400
June	24,166	4,300	4,500	4,500	5,966	13,700	7,400	6,300
May	24,576	4,900	5,200	4,700	5,976	13,900	7,600	6,300
April	24,955	4,800	4,900	5,000	5,955	14,000	7,800	6,200
March	24,884	4,500	4,500	5,100	5,884	13,900	7,800	6,100
February	24,501	4,500	4,900	5,100	5,901	13,500	7,600	5,900
January	24,784	4,300	4,800	5,500	5,884	13,400	7,300	6,100

(X) Not applicable.

[1]Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2]Represents tonnage put into production during month.
[3]Source: Steel Service Center Institute.
[4]Total inventory figures are those shown for December.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
August	5,364	94	2	1,556	6,826	23
July	5,815	77	1	2,087	7,825	27
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[1]Source: American Iron and Steel Institute.

[2]Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3]Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

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606.7900-9900
607.0500-9900
608.0100-6720
609.1710-9800
610.2010-610.5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M 33-3(86)-9

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

SEPTEMBER 1986

M33-3(86)-9
Issued November 1986

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Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
September	23,015	4,100	4,200	4,300	5,715	13,000	7,000	6,000
August	23,746	3,400	3,500	4,400	6,046	13,300	7,200	6,100
July	23,795	3,700	3,600	4,500	6,099	13,200	7,100	6,100
June	23,819	3,900	3,800	4,500	6,019	13,300	7,200	6,100
May	24,099	4,000	4,000	4,400	5,999	13,700	7,500	6,200
April	23,889	4,000	3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	53,600	57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	3,700	5,600	4,100	5,789	13,600	7,400	6,200
November	23,026	4,100	4,400	4,000	5,626	13,400	7,100	6,300
October	23,253	4,800	4,800	4,300	5,653	13,300	7,200	6,100
September	23,697	4,900	5,100	4,300	5,797	13,600	7,400	6,200
August	24,170	4,300	4,500	4,500	5,970	13,700	7,400	6,300
July	24,660	4,500	4,300	4,700	6,060	13,900	7,500	6,400
June	24,166	4,300	4,500	4,500	5,966	13,700	7,400	6,300
May	24,576	4,900	5,200	4,700	5,976	13,900	7,600	6,300
April	24,955	4,800	4,900	5,000	5,955	14,000	7,800	6,200
March	24,884	4,500	4,500	5,100	5,884	13,900	7,800	6,100
February	24,501	4,500	4,900	5,100	5,901	13,500	7,600	5,900
January	24,784	4,300	4,800	5,500	5,884	13,400	7,300	6,100

(X) Not applicable.

[1] Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2] Represents tonnage put into production during month.
[3] Source: Steel Service Center Institute.
[4] Total inventory figures are those shown for December.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
September	5,608	109	2	1,616	7,115	23
August	5,364	94	2	1,556	6,826	23
July	5,815	77	1	2,087	7,825	27
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[1]Source: American Iron and Steel Institute.

[2]Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3]Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

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642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M 33-3(86)-10

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

OCTOBER 1986

M33-3(86)-10
Issued December 1986

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BUREAU OF THE CENSUS

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Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
October	22,311	3,700	3,700	4,300	5,511	12,500	6,700	5,800
September	23,015	4,100	4,200	4,300	5,715	13,000	7,000	6,000
August	23,746	3,400	3,500	4,400	6,046	13,300	7,200	6,100
July	23,799	3,700	3,600	4,500	6,099	13,200	7,100	6,100
June	23,819	3,900	3,800	4,500	6,019	13,300	7,200	6,100
May	24,099	4,000	4,000	4,400	5,999	13,700	7,500	6,200
April	23,889	4,000	3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	53,600	57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	3,700	5,600	4,100	5,789	13,600	7,400	6,200
November	23,026	4,100	4,400	4,000	5,626	13,400	7,100	6,300
October	23,253	4,800	4,800	4,300	5,653	13,300	7,200	6,100
September	23,697	4,900	5,100	4,300	5,797	13,600	7,400	6,200
August	24,170	4,300	4,500	4,500	5,970	13,700	7,400	6,300
July	24,660	4,500	4,300	4,700	6,060	13,900	7,500	6,400
June	24,166	4,300	4,500	4,500	5,966	13,700	7,400	6,300
May	24,576	4,900	5,200	4,700	5,976	13,900	7,600	6,300
April	24,955	4,800	4,900	5,000	5,955	14,000	7,800	6,200
March	24,884	4,500	4,500	5,100	5,884	13,900	7,800	6,100
February	24,501	4,500	4,900	5,100	5,901	13,500	7,600	5,900
January	24,784	4,300	4,800	5,500	5,884	13,400	7,300	6,100

(X) Not applicable.

[1] Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2] Represents tonnage put into production during month.
[3] Source: Steel Service Center Institute.
[4] Total inventory figures are those shown for December.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
October	5,923	77	1	1,384	7,230	19
September	5,608	109	2	1,616	7,115	23
August	5,364	94	2	1,556	6,826	23
July	5,815	77	1	2,087	7,825	27
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[1] Source: American Iron and Steel Institute.

[2] Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

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690.2500
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[3] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

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642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4] Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M 33-3(86)-11

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

NOVEMBER 1986

M33-3(86)-11
Issued January 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

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Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
November	22,973	3,200	3,100	4,400	5,473	13,100	7,200	5,900
October	22,311	3,700	3,700	4,300	5,511	12,500	6,700	5,800
September	23,015	4,100	4,200	4,300	5,715	13,000	7,000	6,000
August	23,746	3,400	3,500	4,400	6,046	13,300	7,200	6,100
July	23,799	3,700	3,600	4,500	6,099	13,200	7,100	6,100
June	23,819	3,900	3,800	4,500	6,019	13,300	7,200	6,100
May	24,099	4,000	4,000	4,400	5,999	13,700	7,500	6,200
April	23,889	4,000	3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	53,600	57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	3,700	5,600	4,100	5,789	13,600	7,400	6,200
November	23,026	4,100	4,400	4,000	5,626	13,400	7,100	6,300
October	23,253	4,800	4,800	4,300	5,653	13,300	7,200	6,100
September	23,697	4,900	5,100	4,300	5,797	13,600	7,400	6,200
August	24,170	4,300	4,500	4,500	5,970	13,700	7,400	6,300
July	24,660	4,500	4,300	4,700	6,060	13,900	7,500	6,400
June	24,166	4,300	4,500	4,500	5,966	13,700	7,400	6,300
May	24,576	4,900	5,200	4,700	5,976	13,900	7,600	6,300
April	24,955	4,800	4,900	5,000	5,955	14,000	7,800	6,200
March	24,884	4,500	4,500	5,100	5,884	13,900	7,800	6,100
February	24,501	4,500	4,900	5,100	5,901	13,500	7,600	5,900
January	24,784	4,300	4,800	5,500	5,884	13,400	7,300	6,100

(X) Not applicable.

[1] Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2] Represents tonnage put into production during month.
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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
November	4,899	91	2	1,961	6,769	29
October	5,923	77	1	1,384	7,230	19
September	5,608	109	2	1,616	7,115	23
August	5,364	94	2	1,556	6,826	23
July	5,815	77	1	2,087	7,825	27
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[1] Source: American Iron and Steel Institute.

[2] Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

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[3] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

606.6710-6940
606.7900-9900
607.0500-9900
608.0100-6720
609.1710-9800
610.2010-610.5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4] Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M 33-3(86)-12

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CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

DECEMBER 1986

M33-3(86)-12
Issued February 1987

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this publication are based on a sample of manufacturers and represent total receipts, consumption, and inventories of steel mill shapes and forms. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M33-3(86)-1, issued March 1986.

Table 1. END-OF-MONTH INVENTORIES AND RELATED STATISTICS ON STEEL MILL SHAPES AND FORMS: 1986 AND 1985

(Thousand short tons)

Month and year	Total inventories	Consumers (manufacturers only)[1]			Steel service centers inventories[3]	Producing mills inventories		
		Receipts	Consumption[2]	Inventories		Total	Steel in process	Finished steel
1986								
Total[4]	(X)	44,500	43,900	(X)	(X)	(X)	(X)	(X)
December	23,455	3,500	3,300	4,600	5,655	13,200	7,300	5,900
November	22,973	3,200	3,100	4,400	5,473	13,100	7,200	5,900
October	22,311	3,700	3,700	4,300	5,511	12,500	6,700	5,800
September	23,015	4,100	4,200	4,300	5,715	13,000	7,000	6,000
August	23,746	3,400	3,500	4,400	6,046	13,300	7,200	6,100
July	23,799	3,700	3,600	4,500	6,099	13,200	7,100	6,100
June	23,819	3,900	3,800	4,500	6,019	13,300	7,200	6,100
May	24,099	4,000	4,000	4,400	5,999	13,700	7,500	6,200
April	23,889	4,000	3,900	4,400	5,889	13,600	7,500	6,100
March	23,740	3,700	3,700	4,300	5,940	13,500	7,500	6,000
February	23,805	3,600	3,500	4,300	6,005	13,500	7,300	6,200
January	23,595	3,700	3,600	4,200	5,995	13,400	7,400	6,000
1985								
Total[4]	(X)	53,600	57,500	(X)	(X)	(X)	(X)	(X)
December	23,489	3,700	5,600	4,100	5,789	13,600	7,400	6,200
November	23,026	4,100	4,400	4,000	5,626	13,400	7,100	6,300
October	23,253	4,800	4,800	4,300	5,653	13,300	7,200	6,100
September	23,697	4,900	5,100	4,300	5,797	13,600	7,400	6,200
August	24,170	4,300	4,500	4,500	5,970	13,700	7,400	6,300
July	24,660	4,500	4,300	4,700	6,060	13,900	7,500	6,400
June	24,166	4,300	4,500	4,500	5,966	13,700	7,400	6,300
May	24,576	4,900	5,200	4,700	5,976	13,900	7,600	6,300
April	24,955	4,800	4,900	5,000	5,955	14,000	7,800	6,200
March	24,884	4,500	4,500	5,100	5,884	13,900	7,800	6,100
February	24,501	4,500	4,900	5,100	5,901	13,500	7,600	5,900
January	24,784	4,300	4,800	5,500	5,884	13,400	7,300	6,100

(X) Not applicable.

[1] Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[2] Represents tonnage put into production during month.
[3] Source: Steel Service Center Institute.
[4] Total inventory figures are those shown for December.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Carol Beasley, (301) 763-5434.

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Table 2. SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousand short tons)

Month and year	Manufacturers' shipments[1]	Exports of domestic merchandise[2]	Percent exports to manufacturers' shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
Total	69,688	1,026	1	20,915	89,577	23
December	5,199	83	2	1,550	6,666	23
November	4,899	91	2	1,961	6,769	29
October	5,923	77	1	1,384	7,230	19
September	5,608	109	2	1,616	7,115	23
August	5,364	94	2	1,556	6,826	23
July	5,815	77	1	2,087	7,825	27
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	98	2	1,655	7,994	21
1985						
Total	72,432	1,065	1	24,565	95,932	26
December	5,821	93	2	2,174	7,902	28
November	5,654	84	1	1,724	7,294	24
October	6,308	103	2	1,326	7,531	18
September	5,848	70	1	2,579	8,357	31
August	6,063	116	2	2,058	8,005	26
July	5,710	86	2	1,602	7,226	22
June	6,125	95	2	2,341	8,371	28
May	6,519	89	1	1,983	8,413	24
April	6,425	80	1	1,936	8,281	23
March	6,344	92	1	2,067	8,319	25
February	5,598	82	1	2,081	7,597	27
January	6,017	75	1	2,694	8,636	31

[1] Source: American Iron and Steel Institute.

[2] Source: Bureau of the Census report EM 546, U.S. Exports. Export tonnage is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[3] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports. Import tonnage is derived from the following 1982 TSUSA import numbers:

606.6710-6940
606.7900-9900
607.0500-9900
608.0100-6720
609.1710-9800
610.2010-610.5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[4] Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

M 33-3(86)-13

CURRENT INDUSTRIAL REPORTS

Inventories of Steel Mill Shapes

SUMMARY FOR 1986

M33-3(86)-13
Issued March 1987

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U.S. Department of Commerce
BUREAU OF THE CENSUS

SUMMARY OF FINDINGS

Total inventories of steel mill shapes and forms held by steel producers, steel consumers (manufacturers only), and steel service centers (warehouses) are estimated by the Bureau of the Census to have remained at the same level of 23.5 million short tons at the end of 1986 compared to December 31, 1985. Inventories held by steel consumers increased from 4.1 to 4.6 million short tons. Inventories held by steel service centers decreased from 5.8 to 5.7 million short tons, and inventories held by steel producers decreased from 13.6 to 13.2 million short tons for 1986. Receipts of steel mill shapes by steel consumers (manufacturers only) totaled 44.5 million short tons in 1986, down from 53.6 million short tons in 1985; consumption totaled 43.9 million short tons in 1986, down from 57.5 million short tons in 1985.

The statistics in this report are based on a survey of manufacturers and represent total U.S. inventories of steel mill shapes and forms. Estimates are included for companies whose reports were not received in time for tabulation. A description of survey methodology and related information appears on page 3.

Table 1. INVENTORIES OF STEEL MILL SHAPES AND FORMS HELD BY STEEL CONSUMERS (MANUFACTURERS), SERVICE CENTERS, STEEL PRODUCERS, AND RELATED STATISTICS: 1986 AND 1985

(Million short tons)

Product description	Total	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1986													
Total inventories[1]	(X)	23.6	23.8	23.7	23.9	24.1	23.8	23.8	23.7	23.0	22.3	23.0	23.5
Consumers (manufacturers only):[2 3]													
Receipts	44.5	3.7	3.6	3.7	4.0	4.0	3.9	3.7	3.4	4.1	3.7	3.2	3.5
Consumption[4]	43.9	3.6	3.5	3.7	3.9	4.0	3.8	3.6	3.5	4.2	3.7	3.1	3.3
Inventories, end of month	(X)	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.4	4.3	4.3	4.4	4.6
Steel service centers:[5]													
Inventories, end of month	(X)	6.0	6.0	5.9	5.9	6.0	6.0	6.1	6.0	5.7	5.5	5.5	5.7
Producing mills:													
Inventories, end of month[6]	(X)	13.4	13.5	13.5	13.6	13.7	13.3	13.2	13.3	13.0	12.5	13.1	13.2
Steel in process	(X)	7.4	7.3	7.5	7.5	7.5	7.2	7.1	7.2	7.0	6.7	7.2	7.3
Finished steel	(X)	6.0	6.2	6.0	6.1	6.2	6.1	6.1	6.1	6.0	5.8	5.9	5.9
1985													
Total inventories[1]	(X)	24.8	24.5	24.9	25.0	24.6	24.3	24.7	24.2	23.7	23.3	23.0	23.5
Consumers (manufacturers only):[2 3]													
Receipts	53.6	4.3	4.5	4.5	4.8	4.9	4.3	4.5	4.3	4.9	4.8	4.1	r3.7
Consumption[4]	57.5	4.8	4.9	4.5	4.9	5.2	4.5	4.3	4.5	5.1	4.8	4.4	r5.6
Inventories, end of month	(X)	5.5	5.1	5.1	5.0	4.7	4.5	4.7	4.5	4.3	4.3	4.0	4.1
Steel service centers:[5]													
Inventories, end of month	(X)	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.0	5.8	5.7	5.6	5.8
Producing mills:													
Inventories, end of month[6]	(X)	13.4	13.5	13.9	14.0	13.9	13.8	13.9	13.7	13.6	13.3	13.4	13.6
Steel in process	(X)	7.3	7.6	7.8	7.8	7.6	7.4	7.5	7.4	7.4	7.2	7.1	7.4
Finished steel	(X)	6.1	5.9	6.1	6.2	6.3	6.3	6.4	6.3	6.2	6.1	6.3	6.2

(X) Not applicable. rRevised by 5 percent or more from previously published figures.

[1]Annual inventories are those shown as of December 31.
[2]Data include fabricating establishments of steel producing companies but exclude fabricating performed at producing mills.
[3]See table 3 for comparison with apparent consumption.
[4]Represents tonnage put into production dur'ng the month (year).
[5]See text for information on steel service center data derivation.
[6]Inventories are those shown as of December 31.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Carol Beasley, (301) 763-5434.
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Table 2. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF STEEL MILL SHAPES: 1986 AND 1985

(Thousands of short tons)

Month and year	Manufacturers' net shipments[1]	Exports of domestic merchandise[2]	Percent exports to net shipments	Imports for consumption[3]	Apparent consumption[4]	Percent imports to apparent consumption
1986						
Total	69,683	1,026	1	20,915	89,577	23
December	5,199	83	2	1,550	6,666	23
November	4,899	91	2	1,961	6,769	29
October	5,923	77	1	1,384	7,230	19
September	5,608	109	2	1,616	7,115	23
August	5,364	94	2	1,556	6,826	23
July	5,815	77	r	2,087	1,825	27
June	6,007	76	1	1,763	7,694	23
May	6,212	65	1	1,652	7,799	21
April	6,283	84	1	1,626	7,825	21
March	6,142	87	1	1,992	8,047	25
February	5,799	85	1	2,073	7,787	27
January	6,437	98	2	1,655	7,994	21
1985						
Total	r76,570	1,065	1	24,565	100,070	25
December	r6,155	93	2	2,174	8,236	26
November	r5,977	84	1	1,724	r7,617	23
October	r6,668	103	2	1,326	r7,891	17
September	r6,182	70	1	2,579	8,691	30
August	r6,409	116	2	2,058	8,351	25
July	r6,036	86	1	1,602	r7,552	21
June	r6,475	95	1	2,341	8,721	27
May	r6,891	89	1	1,983	8,785	23
April	r6,792	80	1	1,936	8,648	22
March	r6,706	92	1	2,067	8,681	24
February	r5,918	82	1	2,081	7,917	26
January	r6,361	75	1	2,694	8,980	30

rRevised by 5 percent or more from previously published figures.

[1]Source: American Iron and Steel Institute (AISI). The monthly data are based on data published by the AISI.
[2]See footnote 3, table 3.
[3]See footnote 4, table 3.
[4]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

Table 3. COMPARISON OF MANUFACTURERS' RECEIPTS AND CONSUMPTION WITH APPARENT CONSUMPTION OF STEEL MILL SHAPES, BY SELECTED YEARS

(Thousands of short tons)

Product description	1986	1985	1984	1983	1982	1981	1980
Manufactures' net shipments	[1]69,688	[2] r76,570	[2]76,172	[2]70,162	[2]64,090	[2]88,205	[2]85,026
Exports[3]	1,026	1,065	1,058	1,251	1,919	2,997	4,101
Imports[4]	20,915	24,565	26,396	17,240	16,978	20,186	15,492
Apparent consumption[5]	89,577	100,070	101,510	86,151	79,149	105,396	96,417
Manufacturers:							
Receipts (M33H)	44,500	53,600	45,300	48,100	54,900	70,500	69,900
Consumption (M33H)	43,900	57,500	44,700	46,800	56,700	71,300	73,400
Consumption (Census of Manufactures)	(X)	(X)	(X)	(X)	(NA)	(X)	(X)
Percent of apparent consumption:							
Received by manufacturers (M33H)	49.7	53.6	44.6	55.8	69.4	66.9	72.5
Consumed by manufacturers (M33H)	49.0	57.5	44.0	54.3	71.6	67.6	76.1
Consumed by manufacturers (Census of Manufactures)	(X)	(X)	(X)	(X)	(NA)	(X)	(X)

(NA) Not available. rRevised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Source: American Iron and Steel Institute (AISA). Data from Current Industrial Report MA33B, Steel Mill Products, are not available.
[2]Source: Current Industrial Report MA33B, Steel Mill Products. Net shipments figures are somewhat understated because of the method used to calculate these data. These figures are derived by subtracting total receipts of all mill shapes at producing mills from the total of shipments, consumption in fabricating operations and maintenance, repair, and operating supplies (MRO) of producing mills. Net shipments figures are somewhat understated because the receipts figures include imported steel received for further processing. (Beginning in 1980, import receipts are excluded from the net shipment calculation.) Such receipts by producing mills, e.g., wire rods, are subtracted although such quantities are not included in the shipments figures which represent only shipments by domestic producers.
[3]Source: Bureau of Census data relating to U.S. Exports of Domestic Merchandise. Export tonnage for 1985 is derived from the following Schedule B export numbers:

608.1210-9135
609.0910-9700
610.2205-4660
642.0300-0935
642.1510-1520
646.2320
690.2500
690.3000

[4]Source: Bureau of Census data relating to U.S. Imports for Consumption and General Imports. Import tonnage for 1985 is derived from the following TSUSA import numbers:

606.6700-6940
606.7900-9900
607.0700-9900
608.0100-6720
609.1700-9800
610.2010-5247
642.0200
642.1105-1146
642.1500-1650
642.3560
642.8020
642.9000-9300
642.9600-9700
646.2622-2648
646.3200
690.2500
690.3000

[5]Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.

DESCRIPTION OF SURVEY

Scope of Surveys. The surveys on which this report is based covers producers and manufacturer consumers of steel mill products, and steel service centers. Important nonmanufacturing activities, such as construction and mining, are not included.

Survey Methodology. Data for consumers (manufacturing only) are collected by mail on Bureau of the Census monthly Form M33H, Receipts, Use, and Inventory of Steel Mill Shapes and Forms (Consumers Reports). There are approximately 200 companies in the panel which accounted for approximately 58 percent of the total quantity of steel consumed in the 1958 Census of Manufactures. Estimates have been derived to represent 100-percent coverage of steel consumers. Since 1979, estimates for manufacturers' (consumers) receipts, consumption, and inventories have been benchmarked to the 1963, 1967, 1972, 1977, and 1982 Censuses of Manufactures.

Data for producers are based on information collected by mail on Bureau of the Census monthly Form M33J, Net Shipments and Inventories of Steel Mill Shapes and Forms (Producers Report), from companies which produce over 90 percent of total steel output. Estimates have been derived to represent 100-percent coverage of steel producers. These estimates are benchmarked annually to Current Industrial Reports Series MA33B, *Steel Mill Products,* the last being 1985.

Participation in the monthly surveys are voluntary. However, annual reports are required from those companies that do not report monthly. The annual summary includes revisions of monthly data originally estimated (see "Reliability of Data" below) for companies which only report annually.

Reliability of Data. Survey error may result from several sources: (1) inability to obtain information about all cases in the survey, (2) response errors, (3) definitional difficuties, (4) differences in the interpretation of questions (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is due to imputing data for nonrespondents, for late reporters, and for data which fail logic edits. Missing figures are imputed based on month-to-month movements shown by reporting firms. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

Revisions to Previous Period Data. Data may be revised as the result of corrected figures from respondents, annual reports received for which imputations were originally made as described, or other corrections. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

EXPLANATION OF TERMS

Steel Mill Shapes and Forms. Steel mill shapes and forms include ingot, semifinished shapes such as billets and wire rods, bar and bar shapes, sheet, strip plate, tinplate, terneplate, blackplate, wire, structural shapes, piling, etc.

Rough and machined castings and forgings, powder, and all fabricated steel products or components, such as purchased stampings, are excluded.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- *Domestic Output.* Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.

- *Exports.* Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point.

  Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.
- *Imports.* Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Export and Import Transactions. Detailed commodity information is not included for individual export shipments valued at not more than $1,000. Generally, detailed commodity information is not included for individual import shipments valued at not more than $1,000. For textiles and textile products, gloves, footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than $250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).

HISTORICAL NOTE

Data on inventories of steel mills shapes have been collected by the Bureau of the Census since 1962. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library. A list of these libraries may be obtained from the Bureau of the Census regional offices:

Office	Telephone
Atlanta, Georgia	(404) 347-2271
Boston, Massachusetts	(617) 223-2327
Charlotte, North Carolina	(704) 371-6142
Chicago, Illinois	(312) 353-6251
Dallas, Texas	(214) 767-0621
Denver, Colorado	(303) 236-2200
Detroit, Michigan	(313) 226-7742
Kansas City, Kansas	(816) 374-4601
Los Angeles, California	(213) 209-6616
New York, New York	(212) 264-3860
Philadelphia, Pennsylvania	(215) 596-4920
Seattle, Washington	(206) 442-7828

Historical data are also available on microfiche. For further information contact the Bureau of the Census, Data User Services Division, (301) 763-4100.

RELATED REPORTS

A monthly Current Industrial Report is published in this series. The Bureau of the Census also publishes the following related reports:

Series	Frequency	Title
Current Industrial Reports		
M33A	Monthly	*Iron and Steel Castings*
M33-2	Monthly	*Aluminum Ingot and Mill Products*
MA33B	Annually	*Steel Mill Products*
Other Industry Reports		
M3-1	Monthly	*Manufacturers' Shipments, Inventories, and Orders*
(AS)	Annually	Annual Survey of Manufactures (ASM)
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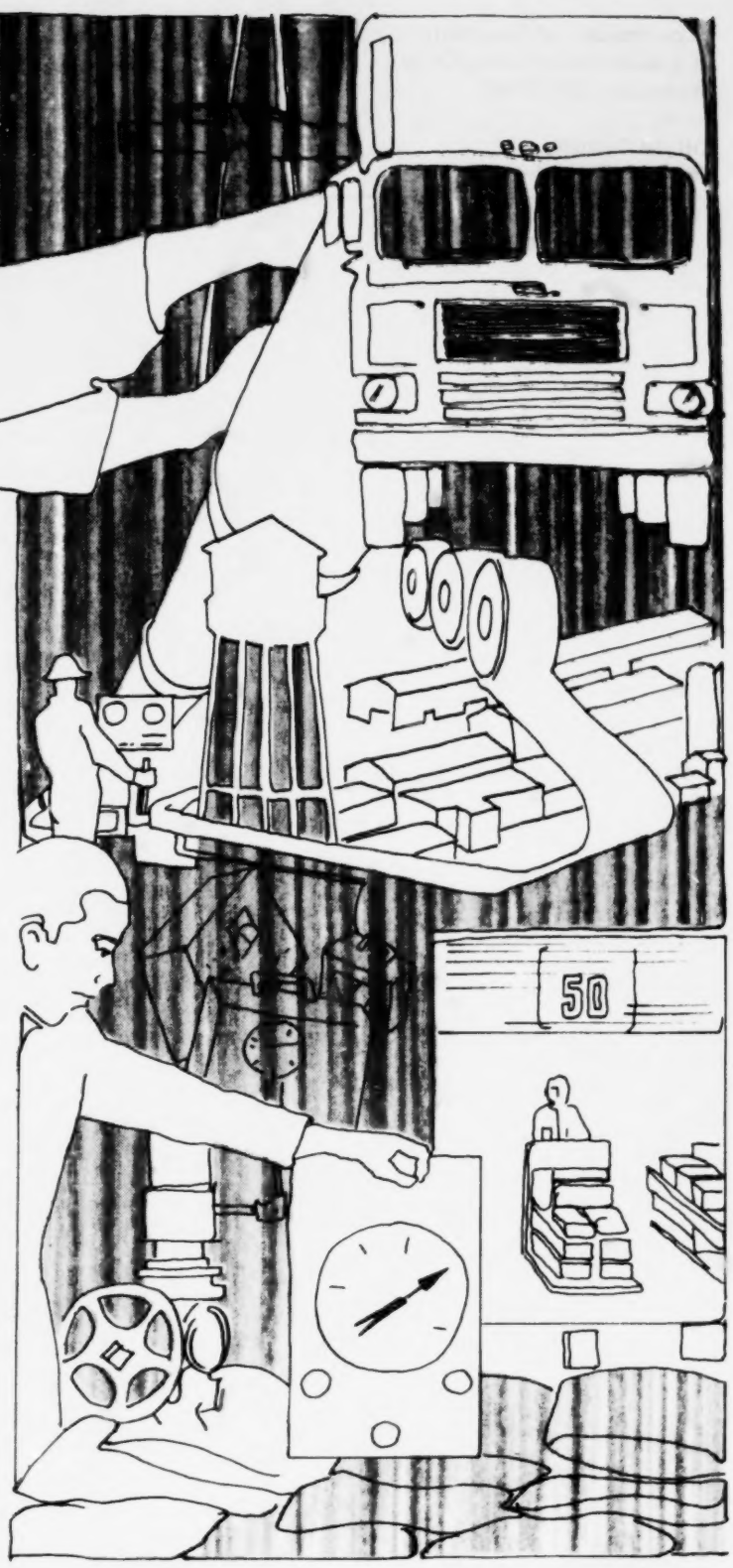

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